

## The Ultimate High-Traffic Door and Gate Operator for Apartment Houses and Low-Profile Applications



Meeting the challenge of today's high cycle applications by providing the ultimate in durability, quiet operation and security.

Specifically engineered to meet the needs of apartment houses, condominiums and low-clearance installations, the model HCT delivers unsurpassed safety, dependability and quiet operation. In a class by itself, the HCT is a heavy-duty, high-traffic operator designed with many exclusive features, including a Security+® receiver, built-in electronic reversing device, heavy-duty track and keyed trolley assembly.

The HCT is designed for installation in even the tightest applications. At only 8 inches high, it's up to 10 inches shorter than other overhead operators. In addition, it's extremely quiet so as not to disturb tenants living directly above the garage. For added safety, the HCT includes a key release feature for instant access in case of power failure. And all components are fully enclosed to greatly reduce the risk of injury.

### Standard OmniControl™ Board Features

- **Digital Motor Protection**  
Entrapment sensor shuts the motor off after it reaches the stall amp for 3 seconds, then reverses the door or gate several inches before it stops.
- **Electronic Inputs**  
Available inputs include: radio receiver, key switch, telephone entry system, computer input, fire dept. key switch and 3-button control.
- **Timer**  
Adjustable timer can be set from 3 to 60 seconds.
- **Power Input On/Off Switch**  
Controls power input to the board.
- **Spike Suppressors**  
Fast response time (50 nanoseconds) when subject to an impulse surge (lightning strike) up to 100 amps.
- **Alternate Outputs**  
Outputs include: 3-button control, burglar alarm input and output with the addition of the Omni Option Board.
- **Travel Time**  
Adjusted by a precision mechanical device and electrical limit switch system.
- **Integrated Loop Detectors**  
Easy to install, modular, plug-in loop detector input.
- **Power Management**  
Board includes electronic power management with overcurrent shutdown and automatic recovery.
- **3-Button Control**  
On-board, 3-button control for open, close and stop.
- **Motor Drive**  
Solid-state electronic motor drive system is incorporated into the control board.
- **Safety Alarm**  
If the door or gate hits an object twice while opening or closing, the system will shut down and the alarm will sound for five minutes. After five minutes, the system will automatically reset itself. To reset within the five-minute period, the manual reset button must be activated.

CHAMBERLAIN®

**LiftMaster®**

# HCT

COMMERCIAL DOOR AND GATE OPERATOR

## Safety and Performance Features



### Gear Head

The HCT features a gear drive system lubricated in an oil bath for unmatched durability in high cycle applications. The 1/2 HP C-mounted continuous cycle motor and 40:1 gear reduction also provide smooth and quiet operation.



### Advanced Control Board

OmniControl™ Board features LED indicators for all operator input and output functions. Includes programmable timer. For use with optional modular plug-in loop detectors.



### Electronic Reversing Device (ERD)

Auto-reverse and safety alarm system comes standard. If the door or gate ever comes in contact with a vehicle while closing, it re-opens. If it contacts a vehicle while opening, it stops, reverses 4 to 6 inches and stops again.



### Built-In Radio Receiver

412HM receiver conveniently opens the gate or door. High security memory stores up to 18 Security+® transmitters. Normal security memory stores up to 31 LiftMaster® transmitter codes of any type. Transmitters sold separately.



### Noise Isolators

Heavy-duty rubber isolators help prevent noise and absorb vibration.



### Trolley Assembly and Key Release

Smooth-gliding trolley operates on 6 UHMW rollers for high performance and added reliability. Emergency key release offers added safety when the power goes out.

## Optional Accessories For Added Safety And Convenience



### Push Button Station

Open/close/stop allows complete control of the door. Requires optional Omni Option Board.



### CPS® Commercial Protector System®:

CPS(M), CPS-N4(M), CPS-L(L3), CPS-LN4(L3) (recommended)

"Non-contact" photo safety sensor designed to sense an obstruction and signal the door operator to reverse to open.



### Sensing Edge (recommended)

Electric or pneumatic sensing device may be added to the bottom edge of the door or gate to quickly sense an obstruction and signal the operator to stop and reverse to open.



### STAR™ 450 Receiver

User-friendly programming technology makes it easy to add, block and delete up to 450 transmitters individually.



### Treadle

Signals the door or gate to open or close when a vehicle drives over the treadle.



### Plug-in Loop Detectors

Designed to simplify installation and maintenance of loop detection systems, they are available for Exit Loop, Center Loop and Safety Loop, depending on the application. Chamberlain® Elite™ model AELD loop detectors are specifically designed for use with the model HCT.

## ELECTRICAL SPECIFICATIONS

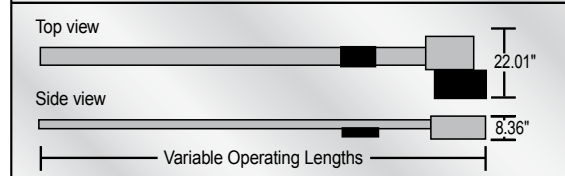
<b>120 VAC POWER</b>	Built-in 120 VAC power receptacle (NEMA 5-15)
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## MAXIMUM DOOR AREA (sq. ft.)

STANDARD SECTIONAL	24 GA. STEEL	20 GA. STEEL	18 GA. STEEL	_____
	ALUMINUM DOORS	WOOD DOORS	_____	_____
FIBERGLASS DOORS	24 GA. STEEL INSULATED	20 GA. STEEL INSULATED	16 GA. STEEL INSULATED	_____
<b>SQ. FT.</b>	<b>250</b>	<b>225</b>	<b>150</b>	<b>100</b>

NOTE: On steel insulated doors, a 24-ga. back panel is assumed.

## DIMENSIONS



## DOOR HEIGHT OPERATOR LENGTH

<b>8 ft. Door</b>	<b>141 in.</b>
<b>10 ft. Door</b>	<b>165 in.</b>
<b>12 ft. Door</b>	<b>189 in.</b>

CHAMBERLAIN®

# LiftMaster®

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